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February 3, 1997 **U.S. PATENT DOCUMENTS** *EXAMINER CLASS SUBCLASS DOCUMENT NUMBER DATE NAME IF APPROPRIATE INITIAL AA 5,570,126 10/29/96 Blahut et al. ΑB 5,661,516 08/26/97 **Carles** АC 03/03/98 Freeman et al. 5,724,091 AD 08/30/94 Callele et al. 5,343,516 ΑE 02/14/89 Sahara et al. 4,805,014 04/26/83 Lambert 4,381,522 5,500,794 03/19/96 Fujita et al. AΗ 5,253,341 10/12/93 Rozmanith et al. ΑI 12/17/91 Green et al. 5,073,930 ΑJ 12/24/91 Hashimoto 5,075,771 ΑK 12/09/97 5,696,906 Peters et al. **FOREIGN PATENT DOCUMENTS** TRANSLATION CLASS DOCUMENT NUMBER SUBCLASS DATE COUNTRY YES NO ٩L **United Kingdom** GB 2,177,873 01/28/87 AM JP 62-140134 06/23/87 Japan AN EP 2810 293 09/07/88 **European Patent Office** ΑO EP 513,553 11/19/92 **European Patent Office** ΑP EP 570,785 11/24/93 **European Patent Office** OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Sorce et al., Human Factors in Telecommunications, Septmber 10-14, 1990/ ΑQ EXAMINER DATE CONSIDERED

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SERIAL NO. 08/794,637

John S. HENDRICKS et al.

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DOCUMENT NUMBER						
DOCOMENT NOMBER	DATE	NAME	CLASS	SUBCLASS	FILING DAT	
5,103,314	04/07/92	Keenan			_	
5,404,505	04/04/95	Levinson				
5,390,348	02/14/95	Magin et al.				
4,398,216,	08/09/83	Field et al.	-			
4,633,462	12/30/86	Stifle et al.				-
5,365,265	11/15/94	Shibata et al.				
5,396,546	03/07/95	Remillard				
5,461,667	10/24/95	Remillard				
5,561,708	10/01/96	Remillard				
5,561,709	10/01/96	Remillard				
5,349,638	09/20/94	Pitroda et al.				
	FOR	EIGN PATENT DOCUMENTS			<u> </u>	
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS		LATION
EP 328,440	08/16/89	ЕРО			123	NO J
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OTHER DOCUM	IENTS (Includi	ng Author, Title, Date, Pertine	ent Pages, Etc.)			
	5,404,505 5,390,348 4,398,216, 4,633,462 5,365,265 5,396,546 5,461,667 5,561,708 5,561,709 5,349,638 DOCUMENT NUMBER EP 328,440	5,404,505 04/04/95 5,390,348 02/14/95 4,398,216, 08/09/83 4,633,462 12/30/86 5,365,265 11/15/94 5,396,546 03/07/95 5,461,667 10/24/95 5,561,708 10/01/96 5,561,709 10/01/96 5,349,638 09/20/94 FOR DOCUMENT NUMBER DATE EP 328,440 08/16/89	5,404,505 04/04/95 Levinson 5,390,348 02/14/95 Magin et al. 4,398,216, 08/09/83 Field et al. 4,633,462 12/30/86 Stifle et al. 5,365,265 11/15/94 Shibata et al. 5,396,546 03/07/95 Remillard 5,461,667 10/24/95 Remillard 5,561,708 10/01/96 Remillard 5,561,709 10/01/96 Remillard 5,349,638 09/20/94 Pitroda et al. FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY EP 328,440 08/16/89 EPO	5,404,505 04/04/95 Levinson 5,390,348 02/14/95 Magin et al. 4,398,216, 08/09/83 Field et al. 4,633,462 12/30/86 Stifle et al. 5,365,265 11/15/94 Shibata et al. 5,396,546 03/07/95 Remillard 5,461,667 10/24/95 Remillard 5,561,708 10/01/96 Remillard 5,561,709 10/01/96 Remillard 5,349,638 09/20/94 Pitroda et al. FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS EP 328,440 08/16/89 EPO	5,404,505 04/04/95 Levinson 5,390,348 02/14/95 Magin et al. 4,398,216, 08/09/83 Field et al. 4,633,462 12/30/86 Stifle et al. 5,365,265 11/15/94 Shibata et al. 5,396,546 03/07/95 Remillard 5,461,667 10/24/95 Remillard 5,561,708 10/01/96 Remillard 5,561,709 10/01/96 Remillard 5,349,638 09/20/94 Pitroda et al. FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS EP 328,440 08/16/89 EPO	5,103,314

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			U	.S. PATENT DOCUMENTS			Grou	p 27
XAMINER IITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBÇLASS	FILING DAT	
0~	CA	5,440,632	08/08/95	Bacon et al.		-		
	СВ	5,056,138	10/08/91	Tyson, Sr.				
	сс	4,621,282	11/04/86	Ahern				
	CD	5,293,633	03/08/94	Robbins	-			
	CE	5,038,402	08/06/91	Robbins				
$\overline{\Psi}$	CF	5,663,757	09/02/97	Morales et al.				
					•			
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			FOF	REIGN PATENT DOCUMENTS	-			
	4	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS	LATION NO
9-	CG	JP 01-20454	01/30/89	Japan			1	
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	<u> </u>		U	S. PATENT DOCUMENTS			,	
XAMINER		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DAT	_
Dr.	DA	5,424,770	06/13/95	Schmelzer et al.				
<u> </u>	DВ	4,694,490	09/15/87	Harvey et al.				
	DC ·	4,965,825	10/23/90	Harvey et al.				_
	DD	4,528,643	07/09/85	Freeny, Jr.				
	DE	5,237,610	08/17/93	Gammie et al.				
	DF	4,712,130	12/08/87	Casey				-
1	DG	5,282,028	01/25/94	Johnson et al.				
V	DН	5,644,354	07/01/97	Thompson et al.	_			
		,						
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			FOR	EIGN PATENT DOCUMENTS		1	•	
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS	LATION
30	DI	EP 167,237	01/08/86	ЕРО				
1	DJ	EP 149,536	07/24/85	ЕРО				
	DK	EP 158,548	10/16/85	EPO				
	DL	EP 145,063	06/19/85	ЕРО				
V	DМ	EP 103,438	03/21/84	ЕРО				
Ô		OTHER DOCUM	ENTS (Includ	ing Author, Title, Date, Pertin	ent Pages, Etc.)		<u> </u>	<u> </u>
gh		HP-41C Operationg M	anual, Hewlett I	Packard Co., December, 1982				

considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION

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	<u> </u>	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	EA	EP 399,200	11/28/90	ЕРО		 		
	ЕВ	EP 450,841	10/09/91	ЕРО				
	EC	JP 62-245167	03/31/89	Japan		<u> </u>		J
V	ED	JP 01-20454	01/30/89	Japan			(*)	7
		OTHER DOC	CUMENTS (Includir	ng Author, Title, Date, Pe	ertinent Pages, Etc.,)		
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